If you are using a printed copy of this procedure, and not the on-screen version, then you <u>MUST</u> make sure the dates at the bottom of the printed copy and the on-screen version match.

The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.

Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ

Training Office, Bldg. 911A.

# C-A OPERATIONS PROCEDURES MANUAL

#### **ATTACHMENT**

4.120.8.b 8 O'Clock (PEER 17) Gate Tests

C-A-OF	M Procedures in v	which this Attachmen	it is used.
4.120.8			
	Hand Proce	essed Changes	
HPC No.	<u>Date</u>	Page Nos.	<u>Initials</u>

# 4.120.8.b 8 O'Clock (PEER 17) Gate Tests

# PASS ANNUAL ACCEPTANCE TEST PROTOCOL

Division A Software Filename and Checksum: Title:	Checksum:		
Division B Software Filename and Checksum: Title:	Checksum:		
Initial testing complete:			
Test Team Leader's Name (Print):	_ Life Number:		
Test Team Leader's Name (Sign):	Date:/		
Acceptance test procedure complete (following repairs and retesting if required):	:		
Test Team Leader's Name (Print):	_ Life Number:		
Test Team Leader's Name (Sign):	Date:/		
Test results reviewed by:			
Safety Section Head's Name (Print):	Life Number:		
Safety Section Head's Name (Sign):	Date:/		
Test results accepted by Radiation Safety Committee:			
RSC Member's Name (Print):	Life Number:		
RSC Member's Name (Sign):	Date:/		

	Micro	Switch	Elec	Gate		Gate Fu	inctions		Verify	Inspn
Gate	Align	Opern	Wiring	Box	Lights	Open	Self- Closing	Latch	all x's Corr.	O.K. Init.
<b>7GS1I</b>										
7GS10										
7EL1										
7GE1										
7MD1										
8GE1*										
8GE2										
8MD1										
8EL1										
8ED1*										
8ED2										
9GS1										

**Legend:**  $\sqrt{=0.K}$ . x = ProblemN/A = Not Applicable

**Table 1: Summary of Physical Inspection of Peer 17 Gates** 

#### 1.2 Test INNER GATE at 7GS1

VERIFY	Gate has been inspected	
PLACE	PEER 7 in Restricted Access (Mode 8)	
VERIFY	PEER 7 is in Restricted Access	MODE 8
PLACE	PEER 17 in Controlled Access (MODE 16)	
VERIFY	PEER 17 is in Controlled Access	MODE 16
VERIFY	The warning lights and LED message: Stop Call	
	MCR for Access X-7400 Stop on both sides of the	ON
	gate are	
OPEN	The gate	
VERIFY	Operator Interface sees the gate is	OPEN
HOLD	Both of the PEER 17 gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A PEER 17 micro switch	
VERIFY	Operator Interface indicates <b>Div A</b>	OPEN
HOLD	Both of the PEER 17 gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B PEER 17 micro switch	
VERIFY	Operator Interface indicates <b>Div B</b>	OPEN
CLOSE	The gate	
VERIFY	Operator Interface sees the gate is	CLOSED

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<sup>\*</sup> These 2 gates are available for testing only when the PHENIX Plug Door is open.

	VERIFY RESET	The <b>7Z1</b> gate box Gate Reset light is The gate with <b>#15</b> RC Sweep key at <b>7Z1</b> inner gate box	OFF		
	VERIFY	Operator Interface sees the gate is	RESET		
	VERIFY OPEN	The <b>7Z1</b> gate box Gate Reset light is The gate	ON		
	VERIFY	Operator Interface sees the gate is	OPEN		
	VERIFY	The <b>7Z1</b> gate box Gate Reset light is	OFF		
	CLOSE	The gate			
	PLACE VERIFY	PEER 17 in Controlled Access (MODE 17) PEER 17 is in Controlled Access The marriage lights and LED masses Steep Call	MODE 17		
	VERIFY	The warning lights and LED message: <b>Stop Call MCR for Access X-7400 Stop</b> on both sides of the gate are	ON		
	PLACE VERIFY VERIFY	PEER 17 in Restricted Access (Mode 8) PEER 17 is in Restricted Access The warning lights and LED message on both sides	MODE 8		
Ц	VEXII I	of the gate: Access Permitted is	ON		
	PLACE	PEER 17 in Safe Access (Mode 2)			
	VERIFY VERIFY	PEER 17 is in Safe Access The warning lights and LED message: Stop Call	MODE 2		
Ш	VERIF I	MCR for Access X-7400 Stop on both sides of the gate are	ON		
	☐ CHECK for test acceptance of INNER GATE at 7GS1				

## 1.3 Test OUTER GATE at 7GS1

PLACE	PEER 17 in Controlled Access (MODE 16)	
<b>VERIFY</b>	PEER 17 is in Controlled Access	<b>MODE 16</b>
<b>VERIFY</b>	The warning lights on both sides of the gate indicate:	
	CALL MCR FOR CROSSOVER AMBER	ON
OPEN	The gate	
VERIFY	Operator Interface sees the gate is	OPEN
HOLD	<b>Both</b> of the PEER 17 gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A PEER 17 micro switch	
VERIFY	Operator Interface indicates <b>Div A</b>	OPEN
HOLD	Both of the PEER 17 gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	<b>Div B</b> PEER 17 micro switch	
VERIFY	Operator Interface indicates <b>Div B</b>	OPEN
CLOSE	The gate	
VERIFY	Operator Interface sees the gate is	CLOSED

 $\Box$  CHECK for test acceptance of OUTER GATE at 7GS1

## 1.4 Test ESCAPE DOOR at 7EL1

<b>VERIFY</b>	Gate has been inspected	
VERIFY	The door cannot be opened from	OUTSIDE
PLACE	PEER 17 in Controlled Access (MODE 16)	
<b>VERIFY</b>	PEER 17 is in Controlled Access	MODE 16
OPEN	The door	
<b>VERIFY</b>	Operator Interface sees the door is	OPEN
<b>SECURE</b>	The Security Bar micro switch	MADE
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A door micro switch	
VERIFY	Operator Interface indicates <b>Div A</b>	OPEN
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B door micro switch	
VERIFY	Operator Interface indicates <b>Div B</b>	OPEN
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the door is	CLOSED
RELEASE	The Security Bar micro switch	
VERIFY	Operator Interface sees the door is	OPEN
CLOSE	The door and latch the Security Bar	
VERIFY	The <b>7EL1</b> Door Reset light is	OFF
RESET	The Door with #15 RC Sweep key at 7EL1 gate box	
VERIFY	Operator Interface sees the <b>7EL1</b> door is	RESET
VERIFY	The <b>7EL1</b> Door Reset light is	ON
OPEN	The door	
VERIFY	Operator Interface sees the door is	OPEN
VERIFY	The <b>7EL1</b> gate box Gate Reset light is	OFF
CLOSE	The door	
VERIFY	Operator Interface sees the door is	CLOSED
VERIFY	The <b>7EL1</b> gate box Gate Reset light is	OFF

☐ CHECK for test acceptance of ESCAPE DOOR at 7EL1

#### 1.5 Test of ENTRY GATE at 7GE1

VERIFY	INNER Gate at 7GE1 has been inspected	
PLACE	PEER 17 in Controlled Access (MODE 16)	
<b>VERIFY</b>	PEER 17 is in Controlled Access	<b>MODE 16</b>
<b>VERIFY</b>	The warning light on the <b>inside</b> of the gate indicates:	
	CALL MCR FOR EXIT AMBER	ON
<b>VERIFY</b>	The Exterior gate box Controlled Access light is	ON
OPEN	Gate 7GE1 with Simultaneous Release and #14 CA	
	Key	
<b>VERIFY</b>	Simultaneous Release Buzzer	<b>SOUNDS</b>
<b>VERIFY</b>	Gate <b>7GE1</b> is	OPEN
<b>VERIFY</b>	Operator Interface sees the gate is	OPEN
<b>SECURE</b>	The Electric Strike micro switch	MADE
HOLD	Both of the gate micro switches	MADE

	VERIFY	Operator Interface sees the gate is	CLOSED
	RELEASE VERIFY	Div A micro switch Operator Interface indicates <b>Div A</b>	OPEN
	HOLD	Both of the gate micro switches	MADE
	VERIFY RELEASE	Operator Interface sees the gate is Div B micro switch	CLOSED
	VERIFY	Operator Interface indicates <b>Div B</b>	OPEN
	HOLD	Both of the gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
_	RELEASE	The Electric Strike micro switch	OPEN
	VERIFY CLOSE	Operator Interface sees the gate is The gate	OPEN
	VERIFY	Operator Interface sees the gate is	CLOSED
	VERIFY	The gate box Gate Reset light is	OFF
	PLACE	PEER 17 in Controlled Access (MODE 17)	MODE 17
	VERIFY	PEER 17 is in Controlled Access The 7Z1 gate box Controlled Access light is	MODE 17 ON
	VERIFY VERIFY	The warning light on the <b>inside</b> of the gate indicate:	ON
	VEXIF I	CALL MCR FOR EXIT  AMBER	ON
	OPEN	Gate <b>7GE1</b> from gate box with the <b>S</b> key and	
		Simultaneous Release	
	VERIFY	Attempt to open Gate <b>7GE1</b> is	FAIL
	OPEN	Gate <b>7GE1</b> with the <b>#14</b> RC CA key and	
	VEDIEV	Simultaneous Release Gate 7GE1 is	OPEN
	VERIFY CLOSE	Gate 7GE1	OPEN
	CLOSE	Gate 7GE1	
	PLACE	PEER 17 in Restricted Access (Mode 8)	
	VERIFY	PEER 17 is in Restricted Access	MODE 8
	VERIFY	The Exterior gate box Restricted Access light is	ON
	VERIFY	The warning lights on both sides of the gate indicate:  CALL MCR FOR EXIT  AMBER	OFF
	VERIFY	Attempt to open gate 7GE1 with S key is	SUCCESSFUL
	VERIFY	Attempt to open Gate 7GE1 with #14 RC CA key is	SUCCESSFUL
	VERIFY	Attempt to open 7GE1 with Blue card	SUCCESSFUL
	VERIFY	Attempt to open <b>7GE1</b> with <b>Expt card</b>	FAIL
	VERIFY	<b>During</b> attempt with <b>Expt. Card</b> Reader <b>light</b> is	RED
	DIACE	DEED 17 in Cofe Access (Mode 2)	
	PLACE VERIFY	PEER 17 in Safe Access (Mode 2) PEER 17 is in Safe Access	MODE 2
	VERIFY	The Exterior gate box Controlled Access light is	ON
	VERIFY	The warning light on <b>inside</b> of the gate indicates:	011
_		CALL MCR FOR EXIT AMBER	ON
	<b>OPEN</b>	Gate 7GE1 with Simultaneous Release and S Key	
	VERIFY	Attempt to open gate 7GE1 with Simultaneous	
	ODEN	Release and S Key  Cote 7CF1 with Simultaneous Poleogo and #14 CA	FAIL
	OPEN	Gate 7GE1 with Simultaneous Release and #14 CA Key	
	VERIFY	Gate 7GE1 is	OPEN
	CLOSE	Gate 7GE1	<u> </u>
		-	

☐ CHECK for test acceptance of ENTRY GATE at 7GE1

## 1.6 Test of MAGNET TRANSPORT GATE, LEFT SIDE, at 7MD1

VERIFY	Gate has been inspected	
PLACE	PEER 17 in Controlled Access (MODE 16)	
<b>VERIFY</b>	PEER 17 is in Controlled Access	<b>MODE 16</b>
OPEN	The gate	
<b>VERIFY</b>	Operator Interface sees the gate is	<b>OPEN</b>
HOLD	Both gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A micro switch	
VERIFY	Operator Interface indicates <b>Div A</b>	OPEN
HOLD	Both gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B micro switch	
VERIFY	Operator Interface indicates <b>Div B</b>	OPEN
CLOSE	The gate	
VERIFY	Operator Interface sees the gate is	CLOSED
VERIFY	The gate box Gate Reset light is	OFF
RESET	The gate with #15 RC Sweep key	
VERIFY	Operator Interface sees the gate is	RESET
VERIFY	The gate box Gate Reset light is	ON
OPEN	The gate	
VERIFY	Operator Interface sees the gate is	CLOSED
VERIFY	The gate box Gate Reset light is	OFF
CLOSE	The gate	
□ <b>CHECK</b> fo	or test acceptance of MAGNET TRANSPORT GAT	ГЕ, LEFT SIDE, а

☐ CHECK for test acceptance of MAGNET TRANSPORT GATE, LEFT SIDE, at 7MD1

## 1.7 Test of MAGNET TRANSPORT GATE, RIGHT SIDE, at 7MD1

VERIFY	Gate has been inspected	
VERIFY	PEER 17 is in Restricted Access	MODE 8
PLACE	PEER 17 in Controlled Access (MODE 16)	
VERIFY	PEER 17 is in Controlled Access	<b>MODE 16</b>
<b>OPEN</b>	The gate	
VERIFY	Operator Interface sees the gate is	<b>OPEN</b>
HOLD	Both gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A micro switch	
VERIFY	Operator Interface indicates <b>Div A</b>	<b>OPEN</b>
HOLD	Both gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B micro switch	
VERIFY	Operator Interface indicates <b>Div B</b>	<b>OPEN</b>
CLOSE	The gate	
<b>VERIFY</b>	Operator Interface sees the gate is	CLOSED
<b>VERIFY</b>	The gate box Gate Reset light is	OFF

RESET	The gate with <b>#15 RC</b> Sweep key	
VERIFY	Operator Interface sees the gate is	RESET
VERIFY	The gate box Gate Reset light is	ON
OPEN	The gate	
VERIFY	Operator Interface sees the gate is	CLOSED
VERIFY	The gate box Gate Reset light is	OFF
CLOSE	The gate	

☐ CHECK for test acceptance of MAGNET TRANSPORT GATE, Right Side, at 7MD1

## 1.8 Test of ENTRY GATE at 8GE2

VERIFY	INNER Gate at 8GE2 has been inspected	
PLACE	PEER 17 in Controlled Access (MODE 16)	MODE 16
VERIFY	PEER 17 is in Controlled Access	MODE 16
VERIFY	The warning lights on the inside of the gate indicate: <b>CALL MCR FOR EXIT AMBER</b>	ON
VERIFY	The <b>Exterior</b> gate box <b>Controlled Access</b> light is	ON
OPEN	Gate 8GE2 with Simultaneous Release and #14 CA	
	Key	
VERIFY	Simultaneous Release Buzzer	SOUNDS
VERIFY	Gate <b>8GE2</b> is	OPEN
VERIFY	Operator Interface sees the gate is	OPEN
<b>SECURE</b>	The Electric Strike micro switch	MADE
HOLD	Both of the gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A micro switch	
VERIFY	Operator Interface indicates <b>Div</b> A	OPEN
HOLD	Both of the gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B micro switch	
VERIFY	Operator Interface indicates <b>Div B</b>	OPEN
HOLD	Both of the gate micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	The Electric Strike micro switch	
VERIFY	Operator Interface sees the gate is	OPEN
CLOSE	The gate	
VERIFY	Operator Interface sees the gate is	CLOSED
VERIFY	The gate box Gate Reset light is	OFF
PLACE	PEER 17 in Controlled Access (MODE 17)	
VERIFY	PEER 17 is in Controlled Access	<b>MODE 17</b>
VERIFY	The <b>2Z1</b> gate box <b>Controlled Access</b> light is	ON
VERIFY	The warning light on the <b>inside</b> of the gate indicate:	
	CALL MCR FOR EXIT AMBER	ON

	OPEN	Gate 8GE2 from gate box with the S key and	
	VERIFY OPEN	Simultaneous Release Attempt to open Gate 8GE2 is Gate 8GE2 with the #14 RC CA key and	FAIL
	VERIFY CLOSE	Simultaneous Release Gate 8GE2 is Gate 8GE2	OPEN
	PLACE VERIFY VERIFY VERIFY	PEER 17 in Restricted Access (Mode 8) PEER 17 is in Restricted Access The Exterior gate box Restricted Access light is The warning light inside the gate indicate:	MODE 8 ON
	VERIFY VERIFY VERIFY VERIFY VERIFY	CALL MCR FOR EXIT AMBER Attempt to open gate 7GE1 with S key is Attempt to open Gate 7GE1 with #14 RC CA key is Attempt to open 7GE1 with Blue card Attempt to open 7GE1 with Expt card During attempt with Expt. Card Reader light is	OFF SUCCESSFUL SUCCESSFUL SUCCESSFUL FAIL RED
	PLACE VERIFY VERIFY VERIFY OPEN	PEER 17 in Safe Access (Mode 2) PEER 17 is in Safe Access The Exterior gate box Controlled Access light is The warning light inside the gate indicate: CALL MCR FOR EXIT Gate 8GE2 with Simultaneous Release and #14 CA	MODE 2 ON ON
	VERIFY CLOSE	Key Gate 8GE2 is Gate 8GE2	OPEN
	□ CHECK f	for test acceptance of ENTRY GATE at 8GE2	
1.9	Test of MAGN	NET TRANSPORT GATE, LEFT SIDE, at 8MD1	
	VERIFY	Gate has been inspected	
	PLACE VERIFY OPEN	PEER 17 in Controlled Access (MODE 16) PEER 17 is in Controlled Access The gate	MODE 16
	VERIFY HOLD	Operator Interface sees the gate is Both gate micro switches	OPEN MADE
	VERIFY RELEASE	Operator Interface sees the gate is Div A micro switch	CLOSED
	VERIFY	Operator Interface indicates Div A	OPEN MADE
	HOLD VERIFY	Both gate micro switches  Operator Interface sees the gate is  Div R micro switch	CLOSED
	RELEASE VERIFY	Div B micro switch Operator Interface indicates <b>Div B</b>	OPEN
	CLOSE VERIFY VERIFY	The gate Operator Interface sees the gate is The gate box Gate Reset light is	CLOSED OFF

	RESET	The gate with #15 RC Sweep key	
	VERIFY	Operator Interface sees the gate is	RESET
	VERIFY	The gate box Gate Reset light is	ON
	OPEN	The gate	
	VERIFY	Operator Interface sees the gate is	CLOSED
	VERIFY	The gate box Gate Reset light is	OFF
	CLOSE	The gate	
	CHECK fo	r test acceptance of MAGNET TRANSPORT GATE,	I FFT SIDE at
	8MD1	test acceptance of MAGNET TRANSFORT GATE,	DEF I SIDE, at
1.10	Test of M	AGNET TRANSPORT GATE, RIGHT SIDE, at 8M	D1
	VERIFY	Gate has been inspected	
	PLACE	PEER 17 in Controlled Access (MODE 16)	
	VERIFY	PEER 17 is in Controlled Access	MODE 16
	OPEN	The gate	
	VERIFY	Operator Interface sees the gate is	OPEN
	HOLD	Both gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
	RELEASE	Div A micro switch	
	VERIFY	Operator Interface indicates <b>Div A</b>	OPEN
	HOLD	Both gate micro switches	MADE
	VERIFY	Operator Interface sees the gate is	CLOSED
_	RELEASE	Div B micro switch	OPEN
	VERIFY	Operator Interface indicates <b>Div B</b>	OPEN
_	CLOSE	The gate	CI OCED
	VERIFY	Operator Interface sees the gate is	CLOSED
	VERIFY	The gate box Gate Reset light is	OFF
	RESET	The gate with #15 RC Sweep key	DECET
	VERIFY	Operator Interface sees the gate is	RESET
	VERIFY	The gate box Gate Reset light is	ON
	OPEN	The gate Operator Interface sees the gate is	CLOSED
	VERIFY	÷	OFF
	VERIFY	The gate box Gate Reset light is	OFF
	CLOSE	The gate	

☐ Check for acceptance of Test of MAGNET TRANSPORT GATE, Right Side, at 8MD1

#### 1.11 Test ESCAPE DOOR at 8EL1

VERIFY	Gate has been inspected	
VERIFY	The door cannot be opened from	OUTSIDE
PLACE	PEER 17 in Controlled Access (MODE 16)	
VERIFY	PEER 17 is in Controlled Access	<b>MODE 16</b>
OPEN	The door	
VERIFY	Operator Interface sees the door is	OPEN
<b>SECURE</b>	The Security Bar micro switch	MADE
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div A door micro switch	
VERIFY	Operator Interface indicates <b>Div A</b>	OPEN
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the gate is	CLOSED
RELEASE	Div B door micro switch	
VERIFY	Operator Interface indicates <b>Div B</b>	OPEN
HOLD	Both of the door micro switches	MADE
VERIFY	Operator Interface sees the door is	CLOSED
RELEASE	The Security Bar micro switch	
VERIFY	Operator Interface sees the door is	OPEN
CLOSE	The door and latch the Security Bar	
VERIFY	The <b>8EL1</b> Door Reset light is	OFF
RESET	The Door with <b>#15 RC</b> Sweep key at <b>8EL1</b> gate box	
VERIFY	Operator Interface sees the <b>8EL1</b> door is	RESET
VERIFY	The <b>8EL1</b> Door Reset light is	ON
OPEN	The door	
VERIFY	Operator Interface sees the door is	OPEN
VERIFY	The <b>8EL1</b> gate box Gate Reset light is	OFF
CLOSE	The door	

☐ CHECK for test acceptance of ESCAPE DOOR at 8EL1

#### 1.12 Test of EXIT DOOR 8ED2

	VERIFY	Gate has been inspected		
	VERIFY	The door cannot be opened from	the <b>outside</b>	
	PLACE	PEER 17 in Controlled Access (MC	<b>DDE 16</b> )	
	VERIFY	PEER 17 is in Controlled Access		<b>MODE 16</b>
	VERIFY	The warning light <b>inside</b> the gate ind	icates:	
		CALL MCR FOR EXIT	<b>AMBER</b>	ON
	OPEN	The door		
	VERIFY	Operator Interface sees the door is		OPEN
	HOLD	Both of the door micro switches		MADE
	VERIFY	Operator Interface sees the door is		CLOSED
	RELEASE	Div A door micro switch		
П	VERIFY	Operator Interface indicates <b>Div A</b>		OPEN

	HOLD VERIFY RELEASE	Both of the door micro switches Operator Interface sees the door is Div B door micro switch	MADE CLOSED
	VERIFY	Operator Interface indicates <b>Div B</b>	OPEN
	CLOSE VERIFY VERIFY RESET	The door Operator Interface sees the door is The <b>8ED2</b> Door Reset light is The Door with <b>#15 RC Sweep key</b> at <b>8ED2</b> gate box	CLOSED OFF
	VERIFY VERIFY OPEN	Operator Interface sees the <b>8ED2</b> door is The <b>8ED2</b> Door Reset light is The door	RESET ON
	VERIFY VERIFY CLOSE	Operator Interface sees the door is The <b>8ED2</b> gate box Gate Reset light is The door	OPEN OFF
	CHECK f	or test acceptance of ESCAPE DOOR at 8ED2	
1.13	Test INNE	R GATE at 9GS1	
_	***************************************		
	VERIFY PLACE VERIFY	Gate has been inspected PEER 15 in Restricted Access (Mode 8) PEER 15 is in Restricted Access PEER 17 in Controlled Access	MODE 8
	PLACE VERIFY	PEER 17 in Controlled Access (MODE 16) PEER 17 is in Controlled Access	MODE 16
	VERIFY	The warning lights and <b>LED</b> message: <b>Stop Call MCR for Access X-7400</b> on both sides of the gate are	ON
	OPEN	The gate	OPEN
	VERIFY CLOSE	Operator Interface sees the gate is The gate	OPEN
	VERIFY	Operator Interface sees the gate is	CLOSED
Г	СНЕСК	for test acceptance of INNER GATE at 9GS1	
1.14	Test OUTER	GATE at 9GS1	
	PLACE	PEER 17 in Controlled Access (MODE 16)	MODE
П	VERIFY VERIFY	PEER 17 is in Controlled Access The warning light on the 9Z1 side of the gate	MODE 16
_	OPEN	indicates:  CALL MCR FOR CROSSOVER AMBER The gate	ON
	VERIFY	Operator Interface sees the gate is	OPEN
П	CLOSE VERIFY	The gate Operator Interface sees the gate is	CLOSED
	V LAIF I	Operator interface sees the gate is	CLOSED
	CHEC	K for test acceptance of OUTER GATE at 9GS1	

1.15	Test of EN	FRY GATE at 8GE1	(Available only	y when the PHE	NIX Plug Door is
	open.				

	VERIFY	ENTRY Gate at 8GE1 has been inspected	
	PLACE VERIFY VERIFY	PEER 17 in Controlled Access (MODE 16) PEER 17 is in Controlled Access The warning light on the inside of the gate indicates: CALL MCR FOR EXIT AMBER	MODE 16 ON
	VERIFY OPEN	The Exterior gate box Controlled Access light is Gate 8GE1 with Simultaneous Release and #14 CA Key	ON
	VERIFY VERIFY VERIFY SECURE HOLD	Simultaneous Release Buzzer Gate 8GE1 is Operator Interface sees the gate is The Electric Strike micro switch Both of the gate micro switches	SOUNDS OPEN OPEN MADE MADE
	VERIFY RELEASE	Operator Interface sees the gate is Div A micro switch	CLOSED
	VERIFY HOLD VERIFY	Operator Interface indicates <b>Div A</b> Both of the gate micro switches Operator Interface sees the gate is	OPEN MADE CLOSED
	RELEASE VERIFY HOLD VERIFY	Div B micro switch Operator Interface indicates <b>Div B</b> Both of the gate micro switches Operator Interface sees the gate is	OPEN MADE CLOSED
	RELEASE VERIFY CLOSE VERIFY VERIFY	The Electric Strike micro switch Operator Interface sees the gate is The gate Operator Interface sees the gate is The gate box Gate Reset light is	OPEN CLOSED OFF
	PLACE VERIFY VERIFY VERIFY OPEN VERIFY OPEN	PEER 17 in Controlled Access (MODE 17) PEER 17 is in Controlled Access The 8Z1 gate box Restricted Access light is The warning light on the inside of the gate indicate: CALL MCR FOR EXIT AMBER Gate 8GE1 from gate box with the S key Attempt to open Gate 8GE1 is Gate 8GE1 with the #14 RC CA key	MODE 17 ON OFF SUCCESSFUL
	VERIFY CLOSE	Gate 8GE1 is Gate 8GE1	OPEN
	PLACE VERIFY VERIFY VERIFY	PEER 17 in Restricted Access (Mode 8) PEER 17 is in Restricted Access The Exterior gate box Restricted Access light is The warning lights on both sides of the gate indicate: CALL MCR FOR EXIT AMBER	MODE 8 ON OFF
_ _ _	VERIFY VERIFY VERIFY	Attempt to <b>open</b> gate <b>8GE1</b> with <b>S</b> key is Attempt to <b>open</b> Gate <b>8GE1</b> with <b>#14</b> RC CA key is Attempt to open <b>8GE1</b> with <b>Blue card</b>	SUCCESSFUL SUCCESSFUL SUCCESSFUL

VERIFY VERIFY	Attempt to open <b>8GE1</b> with <b>Phoenix Red card</b> is Attempt to open <b>8GE1</b> with any other <b>Expt. Card:</b>	SUCCESSFUL FAIL
VERIFY	During attempt with Expt. Card Reader light is	RED
PLACE	PEER 17 in Safe Access (Mode 2)	
VERIFY	PEER 17 is in Safe Access	MODE 2
VERIFY	The <b>Exterior</b> gate box <b>Controlled Access</b> light is	ON
VERIFY	The warning light on <b>inside</b> of the gate indicates:	
	CALL MCR FOR EXIT AMBER	ON
<b>OPEN</b>	Gate 8GE1 with Simultaneous Release and S Key	
VERIFY	Attempt to open gate <b>8GE1</b> with <b>Simultaneous</b>	
	Release and S Key	FAIL
<b>OPEN</b>	Gate 8GE1 with Simultaneous Release and #14 CA	
	Key	
VERIFY	Gate <b>8GE1</b> is	OPEN
CLOSE	Gate 8GE1	
□ СНЕСК	for test acceptance of ENTRY GATE at 8GE1	

# 1.16 Test of Iris Scanner and Local Keytree located at PHENIX Control Room (PCR)

PLACE VERIFY SCAN VERIFY	PEER 17 in CA, Mode 16 PEER 17 is in CA Valid Personnel with Iris Scanner at PCR Valid Personnel is	MODE 16 RECOGNIZED
VERIFY VERIFY	First PHENIX key in Local keytree at PCR Attempt to enter 8GE1 with PHENIX key and SR is	RELEASED SUCCESSFUL
SCAN VERIFY VERIFY	Valid Personnel with Iris Scanner at PCR Valid Personnel is Attempt to release third PHENIX key in Local keytree at PCR is	RECOGNIZED UNSUCCESSFUL
SCAN VERIFY VERIFY VERIFY	Valid Personnel with Iris Scanner at PCR Valid Personnel is Attempt to release second PHENIX key in Local keytree at PCR Attempt to enter 8GE1 with second PHENIX key and SR is	RECOGNIZED SUCCESSFUL SUCCESSFUL
REPLACE VERIFY PLACE VERIFY	First and second PHENIX keys in local keytree at PCR First PHENIX key □ and Second PHENIX key □ PEER 17 in Controlled Access (XA), Mode 17 PEER 17 is in XA	REPLACED  MODE 17

	SCAN VERIFY	Valid Personnel with Iris Scanner at PCR Valid Personnel is	RECOGNIZED
	VERIFY	First PHENIX key in Local keytree at PCR remains	CAPTURED
	PLACE VERIFY	PEER 17 in Restricted Access (Mode 8) PEER 17 is in Restricted Access	MODE 8
		cceptance of Test of Iris Scanner and Local Keytred Control Room	e located at
1.17	Test of EXI	IT DOOR 8ED1 (Available when Experiment is not	in place )
	VERIFY	Gate has been inspected	
	VERIFY	The door cannot be opened from the <b>outside</b>	OUTSIDE
	PLACE VERIFY VERIFY	PEER 17 in Controlled Access (MODE 16) PEER 17 is in Controlled Access The warning light inside the gate indicates:	MODE 16
	OPEN	CALL MCR FOR EXIT AMBER The door	ON
	VERIFY	Operator Interface sees the door is	OPEN
	HOLD	Both of the door micro switches	MADE
	VERIFY	Operator Interface sees the door is	CLOSED
	RELEASE VERIFY	Div A door micro switch Operator Interface indicates <b>Div A</b>	OPEN
Ш	HOLD	Both of the door micro switches	MADE
	VERIFY	Operator Interface sees the door is	CLOSED
	RELEASE	Div B door micro switch	
	VERIFY	Operator Interface indicates <b>Div B</b>	OPEN
П	CLOSE VERIFY	The door Operator Interface sees the door is	CLOSED
	VERIFY	The <b>8ED1</b> Door Reset light is	OFF
	RESET	The Door with <b>#15 RC Sweep key</b> at <b>8ED1</b> gate box	_
	VERIFY	Operator Interface sees the <b>8ED1</b> door is	RESET
	VERIFY	The <b>8ED1</b> Door Reset light is	ON
	OPEN	The door	ODEN
	VERIFY VERIFY	Operator Interface sees the door is The <b>8ED1</b> gate box Gate Reset light is	OPEN OFF
	CLOSE	The door	OFF
	-		
	CHECK 1	for test acceptance of ESCAPE DOOR at 8ED1	

#### END OF TEST PROCEDURE

TTL: Sign for completion of initial testing:				
	Date: _	/_	/_	
TTL: Sign for completion of final testing:				
	Date:	/	/	